WHAT IS CLAIMED IS:

1. For use in a base station of a wireless network, a call control processor comprising:

a first state machine capable of performing a call processing task, said first state machine comprising a queue capable of storing a plurality of events associated with said call processing task, each of said plurality of events operable to cause said first state machine to perform a selected action, wherein said first state machine is capable of communicating with a second state machine of said call control processor by storing at least one event in a queue associated with said second state machine.

2. The call control processor set forth in Claim 1 wherein said queue of said first state machine is capable of receiving an incoming event from said second state machine.

3. The call control processor set forth in Claim 1 wherein said first state machine executes said task in response to receipt of a message retrieved from an operating system (O/S) queue associated with said first state machine.

4. The call control processor set forth in Claim 1 wherein said first state machine executes said task in response to receipt of a ping message generated by said call control processor.

5. The call control processor set forth in Claim 4 wherein said ping message is received on a periodic basis.

6. The call control processor set forth in Claim 1 wherein said first state machine further comprises an array capable of translating an event associated with said first state machine into a corresponding event associated with said second state machine.

7. The call control processor set forth in Claim 1 wherein said first state machine further comprises a linked list capable of translating an event associated with said first state machine into a corresponding event associated with said second state machine.

8. The call control processor set forth in Claim 1 wherein said first state machine further comprises an array and a linked list capable of translating an event associated with said first state machine into a corresponding event associated with said second state machine.

9. A wireless network comprising:

a plurality of base stations capable of communicating with a plurality of mobile stations located in a coverage area of said wireless network, each of said plurality of base stations comprising:

a plurality of RF transceivers, each of said RF transceiver capable of transmitting at least one of voice signals and data signals in a forward channel to a selected one of said plurality of mobile stations and capable of receiving at least one of voice signals and data signals in a reverse channel from said selected mobile station; and

a call control processor capable of controlling said plurality of RF transceivers, said call control processor comprising a first state machine capable of performing a call processing task, said first state machine comprising a queue capable of storing a plurality of events associated with said call processing task, each of said plurality of events operable to cause said first state machine to perform a selected action, wherein said first state machine is capable of communicating with a second state machine of said call control processor by storing at least one event in a queue associated with said

second state machine.

10. The wireless network set forth in Claim 9 wherein said queue of said first state machine is capable of receiving an incoming event from said second state machine.

11. The wireless network set forth in Claim 9 wherein said first state machine executes said task in response to receipt of a message retrieved from an operating system (O/S) queue associated with said first state machine.

12. The wireless network set forth in Claim 9 wherein said first state machine executes said task in response to receipt of a ping message generated by said call control processor.

13. The wireless network set forth in Claim 12 wherein said ping message is received on a periodic basis.

14. The wireless network set forth in Claim 9 wherein said first state machine further comprises an array capable of translating an event associated with said first state machine into a corresponding event associated with said second state machine.

15. The wireless network set forth in Claim 9 wherein said first state machine further comprises a linked list capable of translating an event associated with said first state machine into a corresponding event associated with said second state machine.

16. The wireless network set forth in Claim 9 wherein said first state machine further comprises an array and a linked list capable of translating an event associated with said first state machine into a corresponding event associated with said second state machine.

17. For use in a base station in a wireless network, a method of operating a call control processor comprising the steps of:

retrieving from an internal queue associated with a first state machine of the call control processor a stored event capable of causing the first state machine to perform an action;

generating from the stored event at least one resultant event;

determining if a second state machine of the call control processor utilizes the at least one resultant event;

translating the at least one resultant event into a corresponding event associated with the second state machine; and

storing the corresponding event in an internal queue associated with the second state machine for subsequent execution by the second state machine.

18. The method set forth in Claim 15 wherein the first state machine comprises an array used to perform the step of translating.

19. The method set forth in Claim 15 wherein the first state machine comprises a linked list used to perform the step of translating.

20. The method set forth in Claim 15 wherein the first state machine comprises an array and a linked list used to perform the step of translating.